

T15D12 – (Part 15.3) Entropy

Name _____

1. 15.3.1 State and explain the factors that increase the entropy in a system. (3)
- a. What is entropy?

- b. What is the effect of the following changes on entropy of a system?

	Effect of change on Entropy
Change in Temperature	
Change in State	
Change in Amount	
Mixing of Particles	

2. 15.3.2 Predict whether the entropy change (ΔS) for a given reaction or process is positive or negative. (3)
- a. What determines a negative or positive change in entropy?

- b. List a few examples of changes and their associated entropy change:

3. 15.3.3 Calculate the standard entropy change for a reaction (ΔS) using standard entropy values(s) . (2)
- a. What is the equation for entropy change?

- b. Calculate the entropy change that occurs during the complete combustion of ethane:

